

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/40893

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 48/00; C12N 15/63, 15/88

US CL : 514/44; 424/450; 435/320.1, 458

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/44; 424/450; 435/320.1, 458

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
APS, CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0187105 A1 (ZOU et al.) 12 December 2002 (12.12.2002), columns 4-7.	1-125
Y	US 2002/0031502 A1 (RAASMAJA et al.) 14 March 2002 (14.03.2002), columns 1 and 2.	1-125
Y	US 2002/0072121 A1 (LAM et al.) 13 June 2002 (13.06.2002), columns 4 and 5.	1-125
Y	US 2001/0048940 A1 (TOUSIGNANT et al.) 06 December 2001 (06.12.2001), columns 7 and 8.	1-125
Y	US 2002/0132990 A1 (HUSTON et al.) 12 September 2002 (12.09.2002), columns 5 and 6.	1-125
Y	US 2002/0151516 A1 (MIXSON) 17 October 2002 (17.10.2002), columns 3 and 4.	1-125

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

21 May 2004 (21.05.2004)

Date of mailing of the international search report

27 MAY 2004

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